

HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

HAER
ND,
5-KRA.V,
1-A-

J. Clark Salyer National Wildlife Refuge, Dam 320

HAER No. ND-4-A

KRAMER
VIC - Along the Souris River
Bottineau County
McHenry County
North Dakota

NOTE: Photographs were taken by Frederick L. Quivik, photographer, May 1990

- ND-4-A-1 VIEW SHOWING DOWNSTREAM FACE OF DAM 320, LOOKING SOUTHWEST FROM JUST SOUTHWEST OF OUTLET WORKS
- ND-4-A-2 VIEW OF DAM 320, SHOWING WORKS AND DAM, LOOKING SOUTHWEST FROM THE RIGHT ABUTMENT
- ND-4-A-3 VIEW SHOWING UPSTREAM SIDE OF OUTLET WORKS AT DAM 320, LOOKING WEST
- ND-4-A-4 VIEW SHOWING DOWNSTREAM SIDE OF OUTLET WORKS AT DAM 320, LOOKING SOUTHEAST
- ND-4-A-5 VIEW, LOOKING EAST, OF DOWNSTREAM SIDE OF OUTLET WORKS, SHOWING UNALTERED BRIDGE AND TOPS OF PIERS (OUTLET PIERS AT OTHER FOUR DAMS HAVE BEEN RAISED AND NEW BRIDGE INSTALLED [See HAER Photograph No. ND-4-C-5])
- ND-4-A-6 DETAIL VIEW OF HAND-OPERATED RADIAL-GATE HOIST AT DAM 320, LOOKING NORTHEAST
- ND-4-A-7 VIEW OF DAM 320, LOOKING NORTHEAST ALONG THE CREST OF THE SPILLWAY FROM THE SOUTHWEST END
- ND-4-A-8 VIEW SHOWING SOUTHWEST END OF SPILLWAY, LOOKING SOUTH
- ND-4-A-9 VIEW OF DOWNSTREAM SIDE OF SPILLWAY AT DAM 320, SHOWING ORIGINAL FIELDSTONE WEIR WALL BENEATH CONCRETE BUTTRESSING, LOOKING SOUTHEAST
- ND-4-A-10 VIEW OF SOUTHWEST END OF THE DAM 320 FROM THE UPSTREAM SIDE, SHOWING LOCATION OF THE STOPLOG STRUCTURE, LOOKING NORTH
- ND-4-A-11 DETAIL VIEW OF UPSTREAM END OF STOPLOG STRUCTURE, DAM 320, LOOKING NORTHWEST

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Dam 320
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- ND-4-A-12 Photographic copy of historic photograph. Original snapshot print can be found in narrative reports of the Lower Souris Migratory Waterfowl Refuge for the 1930s, on file at the headquarters of the J. Clark Salyer National Wildlife Refuge, Upham, North Dakota.
GATES OF DAM 320 ON APRIL 9, 1936 WITH ICE ON WATER 50 INCHES THICK
- ND-4-A-13 Photographic copy of original construction drawing dated May 5, 1935, from the files at the Office of the Chief Engineer, U.S. Fish and Wildlife Service Regional Office, Denver.
STRUCTURAL DETAILS GATE STRUCTURE 320

For photographs and historical information on other dams in the J. Clark Salyer National Wildlife Refuge, see HAER No. ND-4-B, Dam 326; HAER No. ND-4-C, Dam No. 332; HAER No. ND-4-D, Dam 341, and HAER No. ND-4-E, Dam 357.